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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,349	04/06/2005	Takahiro Kishioka	123418	7775
25944 OLIFF & BER	7590 08/21/2007 RIDGE, PLC		EXAM	INER
P.O. BOX 19928 ALEXANDRIA, VA 22320			LEE, SIN J	
ALEXANDRIA	A, VA 22320		ART UNIT	PAPER NUMBER
			1752	•
			MAIL DATE	DELIVERY MODE
			08/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary Total Content				
## Defice Action Summary Examiner				
Sin J. Lee 1752 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 04 June 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1 and 4-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.				
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4a) Of the above claim(s) is/are withdrawn from consideration.				
5) Claim(s) 6 is/are allowed.				
6)⊠ Claim(s) <u>1,4,5 and 7-19</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/or election requirement.				
Application Papers				
9) The specification is objected to by the Examiner.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119				
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:				
1.☐ Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this National Stage				
application from the International Bureau (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list of the certified copies not received.				
Attachment(s)				
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:				

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DETAILED ACTION

1. Applicants canceled claims 2 and 3.

2. In view of the amendment, previous 102(a) rejection on claims 1 and 2 over WO 02/086624 A1 is hereby withdrawn.

3. Due to new grounds of rejections, the following rejections are made non-final.

Claim Rejections - 35 USC § 102

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. Claims'are rejected under 35 U.S.C. 102(e) as being anticipated by Neef et al (US 2004/0110089 A1).

In Example 1, Neef teaches 4-hydroxybenzoic acid (which teaches present compound of formula (14) and (20)) grafted to tris(2,3-epoxypropyl)isocyanurate (which teaches present compound of formula (13)), and the structure for the graft product would be as shown below;

$$HO = O - CH_2 - CH - CH_2 - CH - CH_2 - O - C - O - OH$$
 CH_2
 $CH - OH$
 CH_2
 CH_2

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In Example 1, Neef prepares anti-reflective coating composition containing the compound shown above, a crosslinking agent, p-toluene sulfonic acid. The anti-reflective coating composition is spin-coated onto an 8-inch silicon wafer and then baked. A photoresist composition is applied to the film. Then, the photoresist composition is patterned, followed by a development step (see [0066]). Thus, Neef teaches present inventions of claims 1, 4, 5 and 7-19 (present claim 5 does not require the presence of triazine trione oligomer or triazine trione polymer).

- 6. Claim 6 is allowed. Neef does not teach or suggest present reaction product of claim 6.
- 7. The Examiner would like to point out that present claims 4, 5, 7 and 8 are missing periods at the end of claims. Appropriate correction is required.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sin J. Lee whose telephone number is 571-272-1333. The examiner can normally be reached on Monday-Friday from 9:00 am EST to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

S-J. J.

S. Lee

August 19, 2007

SIN LEE

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